

Fire Danger PocketCard

Northern Utah Interagency Fire Center

<http://fam.nwcg.gov/fam-web/pocketcards/>

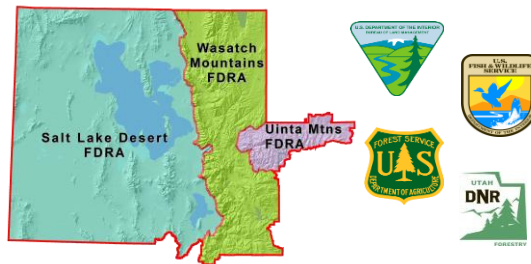
Fire Danger Interpretation

Dispatch Levels	Burning Index - Model G	
	Wasatch Mtns	Uinta Mtns
High: Potential for high to extreme intensity. Expect high rates of spread, flame length, and control difficulty.	74 + (78 th percentile)	59 + (78 th percentile)
Moderate: Anticipate moderate fire intensity. The BI can change rapidly with variable weather conditions.	60 - 73	44 - 58
Low: Expect low fire intensity. Containment should be attainable. However, always be cautious.	0 - 59	0 - 43

Local (Critical) Thresholds: any of these factors will significantly increase the risk for extreme fire behavior. The more factors present, the greater the risk.

Weather Observations (at the Critical Percentile)	Wasatch FDRA (78 th percentile)	Uinta FDRA (78 th percentile)
20-ft Wind (mph)	> 9	> 10
Min. Relative Humidity (%)	< 12	< 12
Max. Temperature (°F)	> 88	> 89

- ♦ **Wind Gusts** exceeding 30 mph will increase the probability of erratic fire behavior and large fire growth.
- ♦ **Microbursts** are powerful downdrafts from thunderstorms which can seriously affect the spread rate, intensity, and direction from several miles away.
- ♦ **Lake Effect Winds** will enhance up-slope winds (in the afternoon) & down-slope winds (after sunset) resulting in unexpected fire intensity adjacent to the Great Salt Lake and Utah Lake.



Recent Fire Experience

Wasatch Mountains FDRA

Date	Fire Name	Size (ac)	BI	RH (%)	Temp (°F)	Wind (mph)
07/22/11	Cottonwood 2	25	79	11	88	10
07/26/10	Green Canyon	25	81	11	93	9
08/16/09	Hobble Creek	157	77	19	70	10
08/25/08	Corner Canyon	808	87	11	94	9

Uinta Mountains FDRA

Date	Fire Name	Size (ac)	BI	RH (%)	Temp (°F)	Wind (mph)
09/21/10	C1	2.0	84	11	71	8
09/01/09	Gilbert Creek	0.5	65	16	76	5
09/14/09	Christmas	0.3	58	34	64	5
06/29/02	East Fork	14,208	85	10	77	8

Burning Index (BI) Facts:

- BI is an index representing the potential difficulty containing a fire due to flame length (intensity) at the head of the fire
- BI is very sensitive to small fluctuations in wind speed
- BI with Fuel Model G has a very good statistical correlation to large fire occurrence in Northern Utah.

Updated: May 2012

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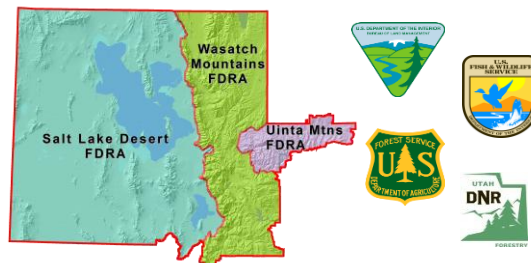
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